

Notice of Allowability

Application No.

10/767,455

Examiner

Adam M. Queler

Applicant(s)

FURUTA ET AL.

Art Unit

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 02/20/2007.
2. ☒ The allowed claim(s) is/are 1-12 and 17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/20/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Matthew Polson on May 11, 2007.

The application has been amended as follows:

1. (Previously Presented) A computer-readable medium storing a program allowing a computer, operating as a server as an operation system and handling as the operation system operating character code a plurality of different character codes, to execute:

a kana-to-kanji conversion comprising:

receiving, from a client, kana information comprising an input character string for which an operating character code has been designated,
converting the kana information into a kanji character string of an intermediate code and a kanji character string of the operating character code,
creating a candidate list of a kanji character string comprising character images of the operating character code and the intermediate code, and
sending the candidate list together with a candidate selection program to the client, causing the client to select a character string of a kanji candidate; and
an editing/outputting comprising:
receiving an operating character code of the selected kanji character string from the client; and
transferring the received operating character code to a corresponding operation system.

2. (currently amended) The computer-readable medium according to claim 1, further comprising:

~~a start-up comprising sending character inputting data and a character inputting program~~
to the client, wherein

the character inputting program is started up by a designated operation in an input area of the character inputting web-page and the character inputting program stops the client's OS-based character inputting operation ~~on the starting up~~.

3. (Previously Presented) The computer-readable medium according to claim 1, wherein the intermediate code is a large-scale code including a plurality of operating character codes, and wherein the kana-to-kanji conversion includes:

referring to a kana-to-kanji conversion table in which large-scale codes are registered, and acquiring a large-scale code of a kanji character string corresponding to kana reading information of an inputted character string; and

referring to a code conversion table in which the plurality of operating character codes are registered corresponding to the large-scale codes, and acquiring an operating character code corresponding to the large-scale code of the kanji character string.

4. (Previously Presented) The computer-readable medium according to claim 1, wherein the kana-to-kanji conversion includes:

receiving, from the client, kana reading information of the inputted character string for which a type of dictionary used is designated in addition to the designation of the operating character code, and creating a candidate list of a kanji character string consisting of character images of the operating character code and the intermediate code.

5. (Previously Presented) The computer-readable medium according to claim 1, wherein the kana-to-kanji conversion includes:

creating a candidate list of a kanji character string for which both of the intermediate code and the operating character code have been obtained, and sending the created candidate list to the client.

6. (currently amended) The computer-readable medium according to claim 1, wherein the kana-to-kanji conversion further comprises:

creating a font image ~~creation comprising~~, when a font image creation request of a character code is received from the client that includes designation of a font size in addition to kana information of the ~~inputted~~ input character string for which an operating character code has been designated, by comprising:

acquiring an outline font of the requested character code from a font file and
converting the acquired outline font into an image;

converting the image into an image file in a predetermined image format; and

sending the image file to the client for display.

7. (Previously Presented) The computer-readable medium according to claim 1, wherein the candidate selection program sent to the client together with the candidate list in the kana-to-kanji conversion causes the client to store the operating character code of the kanji character string selected from the candidate list in an edited character string buffer and to transmit to the server the kanji character string of the operating character code stored in the edited character string buffer after determining the transmitting operation of the character inputting web-page.

8. (currently amended) The computer-readable medium according to claim 2, wherein the character inputting program sent to the client ~~in the start-up~~ comprises an input-support display function including display of input areas and display of inputting positions necessary for character inputting.

9. (currently amended) The computer-readable medium according to claim 2, wherein the character inputting program sent to the client ~~in the start-up~~ converts kana into kanji through searches of key words including reading, character code, the number of strokes, variation of a character, radical, part or hand-written strokes.

10. (Previously Presented) The computer-readable medium according to claim 1, wherein the kana-to-kanji conversion includes, when a hybrid mode is designated that uses font files of both of the server and the client, converting only the operating character codes in a range defined in advance into character images of the intermediate code, and sending intactly the operating character codes out of the range to the client for conversion into character images.

11. (Previously Presented) A character inputting and editing method for a server as an operation system handling as the operation system operating character code a plurality of different character codes, the method comprising:

a kana-to-kanji conversion , comprising:

receiving, from a client, kana information of an input character string for which an operating character code has been designated,

converting the kana information into a kanji character string of an intermediate code and a kanji character string of the operating character code,

creating a candidate list of a kanji character string comprising character images of the operating character code and the intermediate code, and

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sending the candidate list together with a candidate selection program to the client, and causing the client to select a character string of a kanji candidate; and an editing/outputting , comprising:

receiving an operating character code of the selected kanji character string from the client, and

transferring the received operating character code to a corresponding operation system.

12. (currently amended) A server apparatus as an operation system handling as the operation system operating character code a plurality of different character codes, the server apparatus comprising:

a computer, comprising:

a kana-to-kanji converter,

~~receiving~~operable to receive, from a client, kana information of an input character string for which an operating character code has been designated,

~~converting~~operable to convert the kana information into a kanji character string of an intermediate code and a kanji character string of the operating character code,

~~creating~~operable to create a candidate list of a kanji character string comprising character images of the operating character code and the intermediate code, and

~~sending~~operable to send the candidate list together with a candidate selection program to the client, and causing the client to select a character string of a kanji candidate; and

an editor/outputter,

~~receiving~~operable to receive an operating character code of the selected kanji character string from the client, and

~~transferring~~operable to transfer the received operating character code to a corresponding operation system.

13. (Cancelled)

14. (CANCELLED)

15. (CANCELLED)

16. (CANCELLED)

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17. (Cancelled)
18. (Currently Amended) A server in communication with a client comprising:
a ~~controller~~computer comprising:-
 A receiver receiving, from the client, a kana input character string;
 a converter converting the kana input character string into a kanji
intermediate code and a kanji operating character code;
 a creator creating a candidate list comprising character images of the
kanji operating character code and the kanji intermediate code; and
 a sender sending the candidate list and a candidate selection program to
the client.
19. (CANCELLED)

2. The following is an examiner's statement of reasons for allowance: The prior art does not fairly suggest converting into both operation character code and intermediate code, and then using the operation code, in the context of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Information Disclosure Statement

3. The information disclosure statement filed 09/20/2006 fails to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information, of each document listed that is not in the English language. It has been placed in the application file, but the information referred to therein has not been considered. Specifically, the reference labeled "AE".

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam M. Queler whose telephone number is (571) 272-4140. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AQ


STEPHEN HONG
SUPERVISORY PATENT EXAMINER